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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/900,306	07/06/2001	Brant Gary Wenegrat	1107384-0002	5676
38552	7590	12/01/2005	EXAMINER	
DECHERT LLP P.O. BOX 10004 PALO ALTO, CA 94303-0961			SPOONER, LAMONT M	
			ART UNIT	PAPER NUMBER
			2654	
DATE MAILED: 12/01/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/900,306

Applicant(s)

WENEGRAT ET AL.

Examiner

Lamont M. Spooner

Art Unit

2654

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01 September 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 20-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 20-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 July 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Response to Arguments*

1. Applicant's arguments with respect to claims 20-25 have been considered but are moot in view of the new ground(s) of rejection.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 20-25 are rejected under 35 U.S.C. 102(b) as being anticipated by Dahlgren et al. (Dahlgren, US 5,794,050).

As per **claims 20, 22**, Dahlgren teaches 20. A method of disambiguating a syntactically ambiguous natural language statement comprising the steps of:

(a) parsing (Fig. 5 item 502) the syntactically ambiguous natural language statement (C.11.line 41) into at least two structured representations (C.11.line 41-49-his "with the money" modifying lock or connected to bought, also C.13.lines 23-27-his noun or verb and seven senses of the word "train" and ), wherein the first structured representation comprises at least one first keyphrase (C.11.lines 52, 53-his several meanings for the word lock, also C.13.lines 23-27, 32, 33-his "train a dog to heel", wherein "train" in a sense is the first structured representation including the keyphrase 'train') and the second structured representation comprises at least one second

keyphrase (C.13.lines 23-27, 32, 33, his “train a dog to heel”, wherein “train” in another sense is the second structured representation including the second keyphrase “train”);

(b) searching (C.11.lines 30-32-his consulting the naïve semantic lexicon) a cross-linked keyphrase ontology database (C.12.lines 20-24-his naïve semantic lexicon, 30-34, 63-67-his “ontology” and his “multiply attached classifications within an ontology” as cross-linked keyphrase...) for a keyphrase node representing a third keyphrase (C.14.lines 19-22-access during processing inherently requiring searching, C.13.lines 31-34-his “train” as the third keyword, C.12.lines 20-39, C.13.lines 9, 10-his naïve semantic lexicon which contain instantiations attached to the ontology interpreted as containing all of the third keyphrases being searched for, and C.13.lines –his linked train to the ontological node as the identical third keyphrase to the first keyphrase-**claim 22**), wherein the third keyphrase matches the first keyphrase or the second keyphrase (C.13.lines 33, 34-the associated “train” as the match to the keyphrase “train” as explained above);

(c) if the first keyphrase matches the third keyphrase and the second keyphrase does not match the third keyphrase (C.13.lines 40-44-his determination of someone paid cash to purchase a lock, his second keyphrase as with the money modifying lock, C.13.lines 31-33-interpreted as “train” matching the naïve semantic lexicon as entry “4” and not entry “for example “1”), designating the first structured representation as a first disambiguated statement interpretation (C.13.lines 49-60-his determination of someone paid cash to purchase a lock as a security device, or his selection of the disambiguated concept-C.15.lines 35-36);

(d) if the second keyphrase matches the third keyphrase and the first keyphrase does not match the third keyphrase, designating the second structured representation as a second disambiguated statement interpretation (C.8.lines 40-51-his "Face places with arms down", his selected third option as the keyphrase matching... as related to, C.11.lines 30-33, wherein the naïve semantic lexicon is consulted, wherein the naïve semantic lexicon comprises the ontology, C.12.line 21),- and

(e) if the first keyphrase matches the third keyphrase and the second keyphrase matches the third keyphrase or the first keyphrase does not match the third keyphrase and the second keyphrase does not match the third keyphrase. determining that the syntactically ambiguous natural language statement cannot be disambiguated (C.5.lines 16-18-"The naïve semantic lexicon is consulted by the other modules to determine whether an interpretation alternative is plausible"-it is inherent that if the first and second keyphrase does not match the third keyphrase, of the naïve semantic lexicon, then the syntactically ambiguous statement has not been disambiguated).

As per **claim 21**, Dahlgren further teaches the syntactically ambiguous naturally language statement is a query (Fig. 4 item 402, C.15.lines 49-51).

As per **claims 23 and 24**, Dahlgren does further teaches wherein the third keyphrase is a synonym (C.13.lines 31-32, his instruct as the synonym to train, C.12.lines 20-22-his concept as a metonym or synonym, C.13, lines 31-39-his train as a metonym, metonym-claim 24) of the first keyphrase or the second keyphrase.

As per **claim 25**, Dahlgren further teaches wherein the syntactically ambiguous natural language statement is in the English language (C.15.lines 49-51).

***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lamont M. Spooner whose telephone number is 571/272-7613. The examiner can normally be reached on 8:00 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richemond Dorvil can be reached on 571/272-7602. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

lms  
11/26/05

  
**RICHEMOND DORVIL**  
**SUPERVISORY PATENT EXAMINER**